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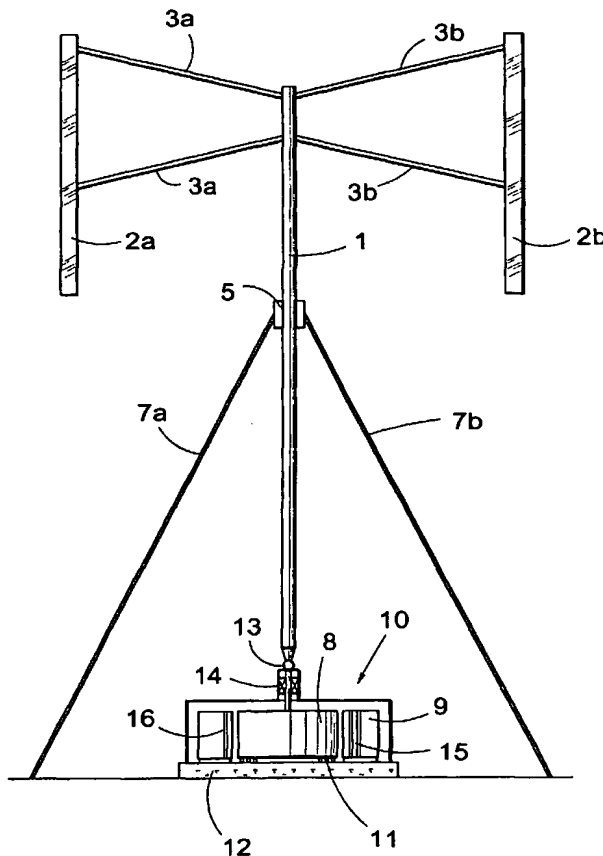
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[Continued on next page]

(54) Title: WIND POWER PLANT WITH VERTICAL AXIS TURBINE



(57) Abstract: The present invention relates to a wind-power unit comprising a wind turbine and an electric generator connected to the wind turbine. The stator of the generator has a winding comprising a high-voltage cable comprising a core of conducting material, a first layer of semiconducting material surrounding the core. An insulating layer of solid material surrounds the first layer, and the insulating layer is surrounded by a second layer of semiconducting material. In accordance with the invention the wind turbine is provided with a plurality of turbine blades running substantially vertically and connected to a turbine shaft running substantially vertically, and the generator is arranged at the lower end of the turbine shaft. The invention also relates to a wind-power plant, the use of a wind-power unit and a method of generating electric power.

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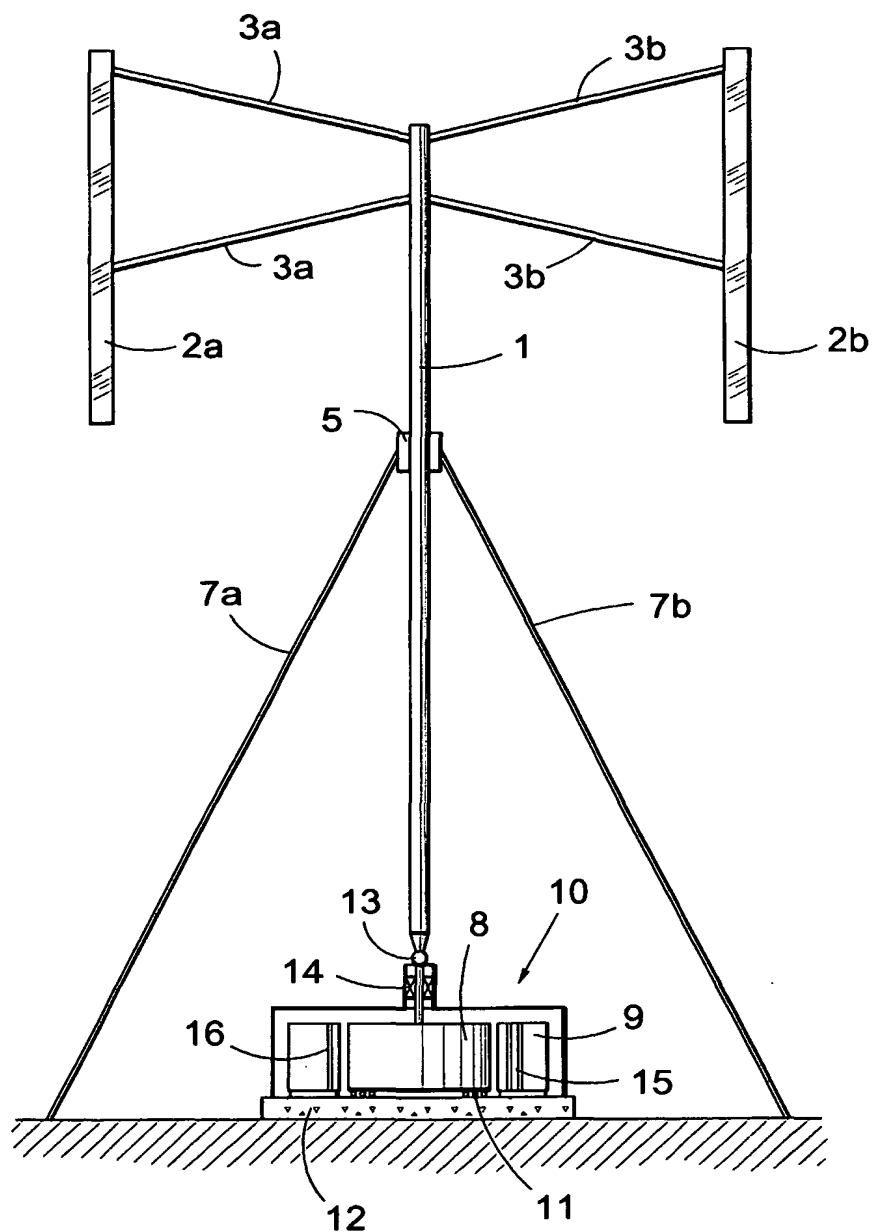
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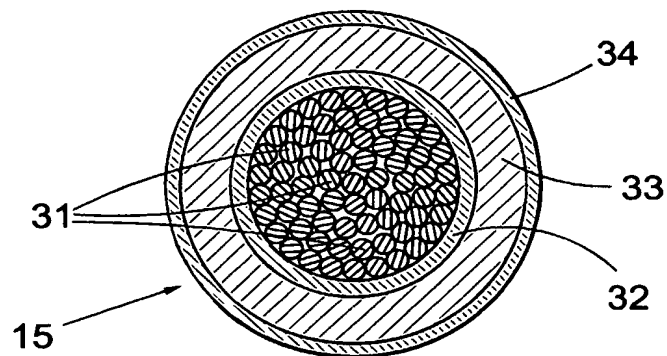
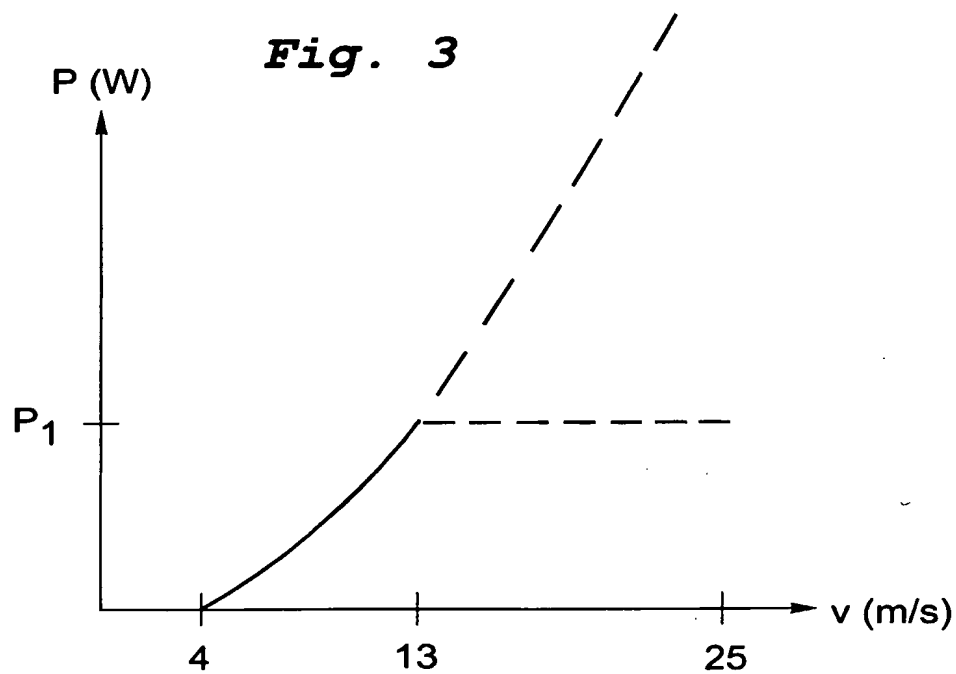
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*Fig. 1*

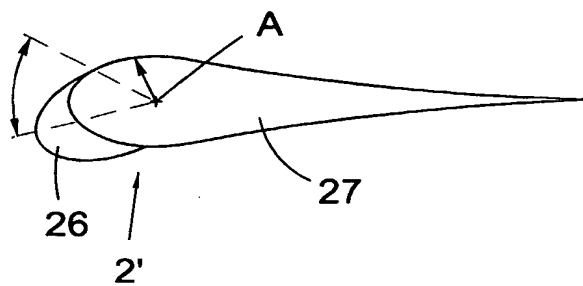
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**Fig. 2****Fig. 3**

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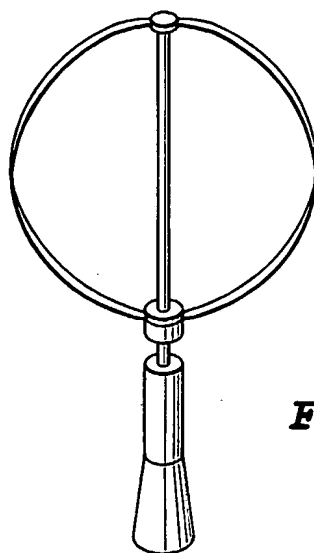
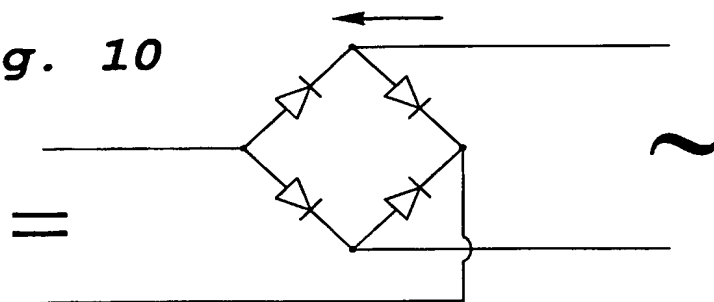


**Fig. 4**



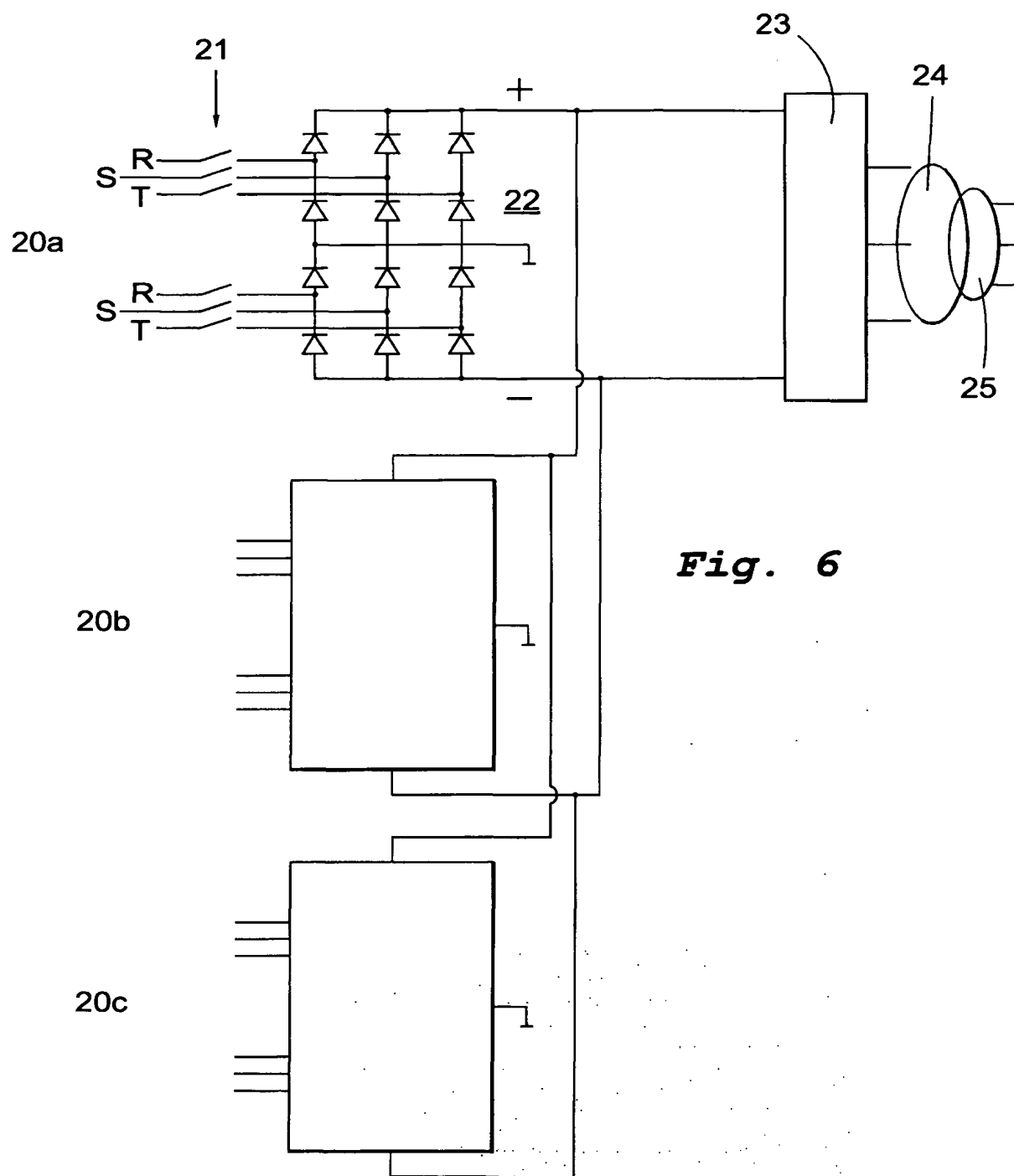
**Fig. 5**

**Fig. 10**

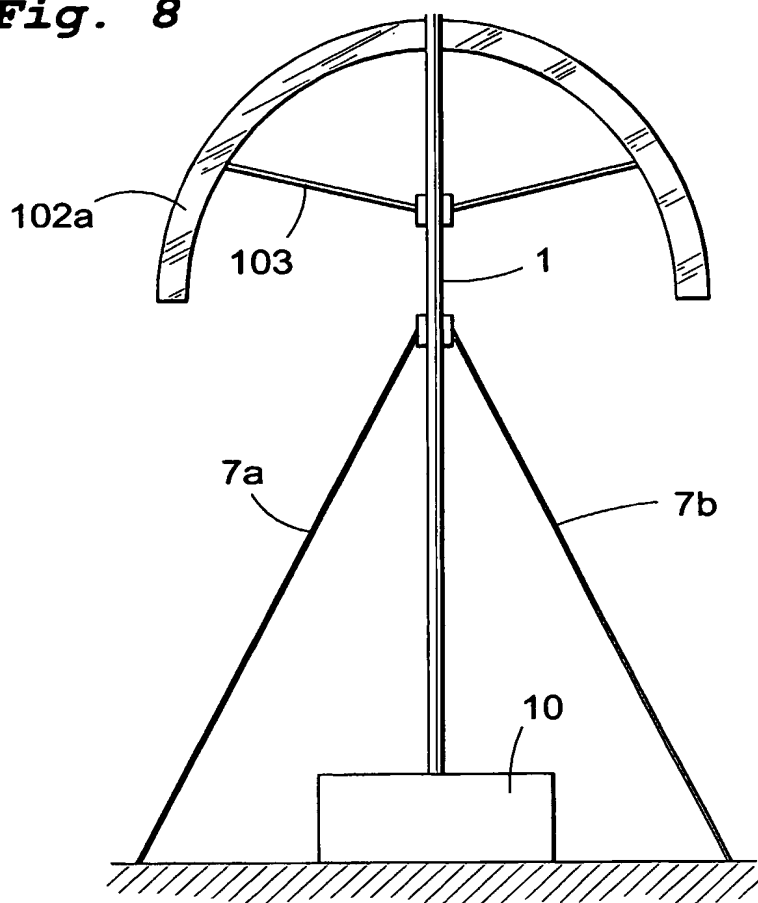
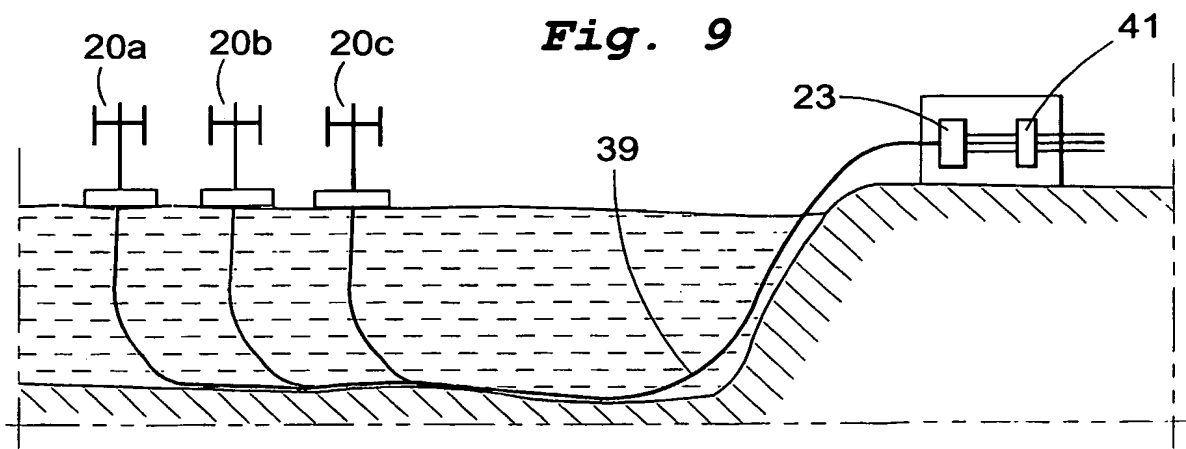


**Fig. 7**

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**Fig. 8****Fig. 9**

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE/02/02406

## A. CLASSIFICATION OF SUBJECT MATTER

IPC7: F03D 3/00

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## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: F03D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 0074198 A1 (ABB AB), 7 December 2000 (07.12.00), page 14, line 31 - line 33; page 18, line 6 - line 12, figure 4	1-12,15-29
A	--	14
Y	EP 0802324 A1 (HÖRICHT, ROLF), 16 April 1997 (16.04.97), page 4, line 41 - line 43; page 11, line 3 - line 6, figures 3,13	1-13,15-29
A	--	14
A	US 4449053 A (HOWARD R. KUTCHER), 15 May 1984 (15.05.84), page 2, line 5 - line 20; page 3, line 57 - line 61, figure 1	1-29
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International application No.

PCT/SE 02/02406

## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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A	US 6320273 B1 (OTILIO NEMEC), 20 November 2001 (20.11.01), page 10 - page 13, figure 2  -- -----	1-29

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Information on [redacted] family members

30/12/02

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				NO	20015811	A		28/11/01	
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